Species Vulnerability Indices

Alternatives to "DIY"

Species are Important!



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Vulnerability Indices can...

- ... save R & D time
- ... remind you about vulnerability factors
- ... compare apples and oranges
- ... promote transparency

Vulnerability Indices cannot...

... turn garbage into gold

... replace in-depth VAs of species

System for Assessing `Vulnerability of Species (SAVS) to Climate Change (Forest Service)



Framework for categorizing the relative vulnerability of threatened & endangered species to climate change (EPA)



Climate Change Vulnerability Index (NatureServe)



Climate Change Sensitivity Index (University of Washington and TNC)



All:

are potentially rapid

score individual factors

produce categories of relative vulnerability

address uncertainty

SAVS



www.fs.fed.us/rm/grassland-shrubland-desert/products/species-vulnerability

Terrestrial vertebrates

Habitat, physiology, phenology, biotic interactions

Abundance, range, demographics considered implicitly

Scale: habitat/management area

EPA



http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=203743

T&E Vertebrates Only

Baseline & climate change vulnerability

Abundance, range, demographics considered in baseline

Spatial Scale: any

NatureServe



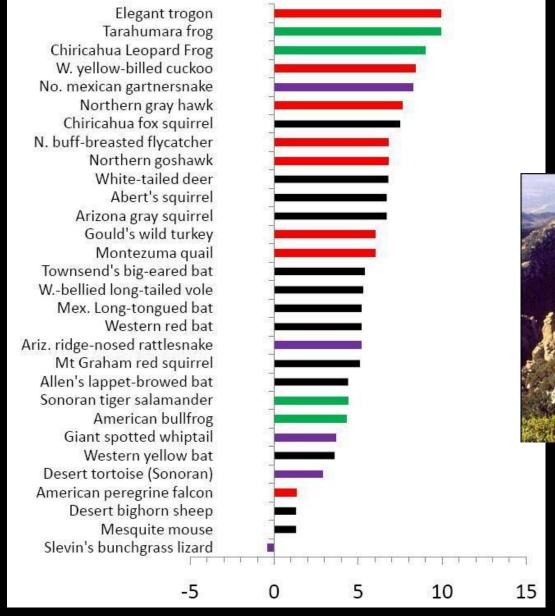
www.natureserve.org/climatechange

Terrestrial/aquatic, plants/animals

Excludes conservation status factors – use in conjunction with G/S-ranks

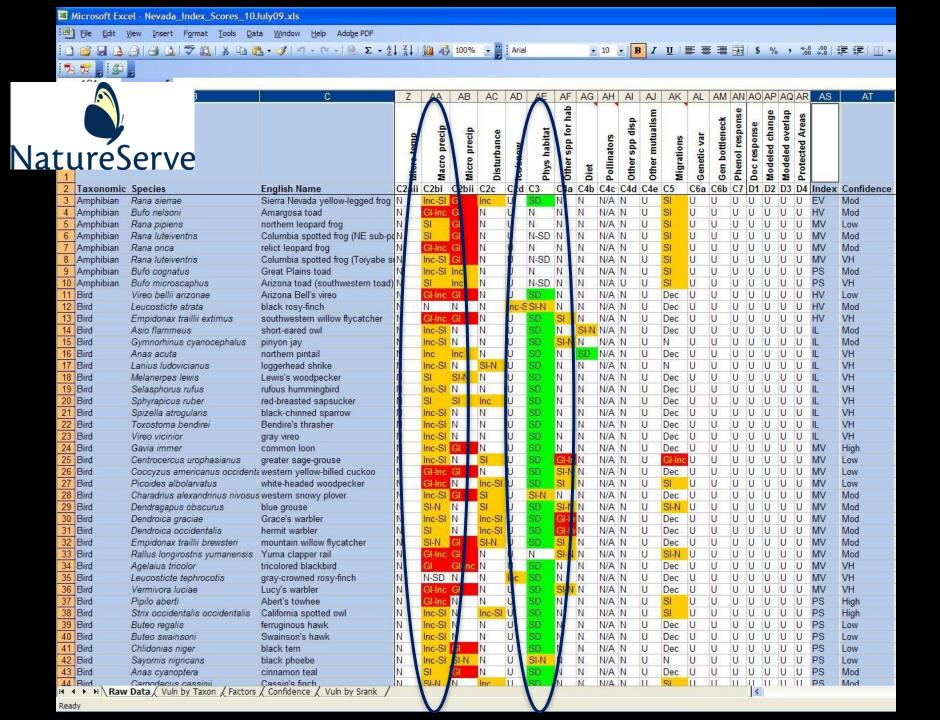
Exposure and sensitivity sections

Scale: state or large conservation area









Duplicate Conservation Status Assessments?

Extremely Highly Moderately Presumed Increase Vulnerable Vulnerable Stable Likely

G1

G2

G3

G4

G5



Duplicate Conservation Status Assessments?







209 spp

			Moderately Vulnerable		Increase Likely
G1	10	11	25	9	0
G2	2	4	5	3	1
G3	0	4	3	11	1
G4	1	1	6	24	3
G5	0	2	7	61	15





Climate Sensitivity Database



Climate Change Sensitivity Database

Home

Browse Species

Browse Systems

Your Profile

Home Page

Welcome!

Welcome to the Sensitivity Database.

Climate changes poses a daunting challenge to natural resource managers and in response the University of Washington has partnered with key collaborators to conduct a climate change sensitivity assessment. This assessment is designed to evaluate the sensitivity of the species and ecological systems of the Pacific Northwest to climate change.

This digital database summarizes the inherent climate-change sensitivities for species and habitats of concern throughout the Pacific Northwest and will provide resource managers and decision makers with some of the most basic and most important information about how species and systems will likely respond to climate change.

Please come take a look!

Recent Updates

Rock Squirrel

Updated: 4 sec ago

Elgaria coerulea principis

Updated: 4 days 18 hours ago

Quercus garryana var. garryana Updated: 2 weeks 5 days ago

Pinus albicaulis

Updated: 2 weeks 6 days ago

Red-tailed Chipmunk

Updated: 3 weeks 5 days ago

Plethodon idahoensis

Updated: 3 weeks 5 days ago

Martes pennanti

Updated: 3 weeks 5 days ago Vulpes macrotis - rionsinger Updated: 4 weeks 1 day ago

Lynx canadensis

User login

Username: *

Password: *



Log in using OpenID

- Create new account
- Request new password

